

Author Index to Volume 11

- Allweiss, M. D., 356
 Anderson, P., 226
 Antonis, A., 142
 Arroyave, G., 447, 493, 517
 Asenjo, C. F., 368
- Bagchi, K., 586
 Bean, W. B., 85, 180, 187
 Béhar, M., 517, 537
 Bernfeld, P., 554
 Bersohn, I., 142
 Beutler, E., 559
 Beutler, F., 559
 Bhagavan, R. K., 127
 Bhatia, D. S., 127
 Bleiler, R. E., 85, 180, 187
 Bose, A. K., 586
 Bressani, R., 537
 Bridgforth, E. B., 31, 433
 Brown, E., 4
 Burr, W. W., Jr., 108
- Campbell, H. B., 255
 Carrasco, E. O., 533
 Cohn, C., 356
 Consolazio, C. F., 31, 577
 Cravioto, J., 484
- Dallas, I., 263
 Davidson, C. S., 502
 Dawber, T. R., 200, 226
 De Funes, C., 517
 Doraiswamy, T. R., 127
- Ende, N., 270
- Failey, R. B., Jr., 4
 Feigenbaum, A. S., 312
 Ferro-Luzzi, G., 299
 Figueroa, M., 525
 Figueroa, R. B., 235
 Fineberg, S. K., 509
 Fisher, H., 312
 Flores, M., 344
 Fordtran, J. S., 324
 Frye, J. B., Jr., 94
 Frye, W. W., 94
- Gabuzda, G. J., 502
 Garn, S. M., 418
 Germar, E., 533
- Gordon, T., 200
- Halac, E., Jr., 574
 Harding, R. S., 156
 Harper, A. E., 382
 Harris, R. S., 377, 400
 Hegsted, D. M., 477
 Heller, C. A., 31
 Herbert, V., 568
 Hodes, M. E., 4
 Hodges, R. E., 85, 180, 187
 Holt, L. E., Jr., 543
 Homburger, F., 554
 Hursh, L. M., 31, 577
- Isaac, G. J., 577
- Jackson, W. P. U., 115
 Jankelson, O. M., 134
 Johnston, J. E., 94
 Jose, F. R., 533
 Joseph, D., 356
- Kannel, W. B., 226
 Kelley, T. F., 554
 Kelly, B. M., 559
 Kimmelstiel, P., 253
 Kinard, C. L., 255
 Klotz, A. P., 235
 Konikoff, B. S., 94
 Krehl, W. A., 77, 389
- Liener, I. E., 281
 Lurie, A. O., 115
- Mack, P. B., 255
 Mann, G. V., 31, 200, 226
 McLaren, D. S., 603
 McNamara, P., 226
 McPherson, J. C., 108
 Meneghello, J., 525
 Mönckeberg, F., 525
- Nordin, B. E. C., 263
 Nunes, W. T., 156
- Ohlson, M. A., 85, 180, 187
 Olson, R. E., 1
 Oxman, S., 525
- Padilla, B., 533
- Patwardhan, V. N., 12
 Pearson, G., 200, 226
 Pearson, W. N., 462
 Pierson, W. R., 530
 Plough, I. C., 413
 Powell, R. C., 156
- Quick, A. J., 177
- Rao, M. N., 127
 Rasch, P. J., 530
 Reizenstein, P., 568
 Rusoff, L. L., 94
 Russell, A. L., 31
- Samson, G. D., 533
 Schools, P. E., 102
 Scott, E. M., 31
 Scrimshaw, N. S., 331, 537, 593
 Shapiro, R., 577
 Shurtleff, D., 226
 Silverman, M., 31
 Soergel, K. H., 324
 Sreenivasan, A., 127
 Stare, F. J., 134
 Stefanik, P. A., 134, 335
 Strong, F. M., 500
 Subrahmanyam, V., 127
 Subramanian, N., 127
 Sullivan, J. F., 317
 Sullivan, L. W., 568
 Swaminathan, M., 127
 Swell, L., 102
- Tidwell, H. C., 108
 Treadwell, C. R., 102
 Trulson, M. F., 335, 362
- Vacca, J. B., 156
 Valassi, K. V., 240
 Vildósola, J., 525
 Vose, G. P., 255
- Walker, A. R. P., 551
 Watkin, D. M., 406, 440
 Weil, W. B., Jr., 249
 Weiss, H. S., 312
 Wilson, D., 517, 537
- Youmans, J. B., 31

Subject Index to Volume 11

(DT) = Diet Therapy; (E) = Editorial; (PN) = Perspectives in Nutrition; (LE) = Letters to the Editor

Absorption

- effect of D-sorbitol on, and transfer of nutrients from mother to fetus, 533
- intestinal, in man (PN), 324
- iron, and iron dosage, 559
- of liver-bound vitamin B₁₂ versus free cyanocobalamin in pernicious anemia, 568
- African, health hazards in urbanization of, 551
- Alaskan Eskimos, health and nutritional status of (ICNND survey), 31
- Alcohol
 - and nutritional needs, 389
 - intoxication followed by alterations of hepatic enzymes, 235
- Aldosteronuria and kwashiorkor, 115
- Alimentary lipemia and fasting lipid levels, 317
- American Society for Clinical Nutrition, presidential address (E), 1
- Aminio acids
 - analysis of content in foods, 377
 - biochemical measurement of, and protein intake, 447
 - in blood plasma in kwashiorkor and marasmus, 517
 - utilization of, and protein, 382
- Anemia
 - goat's milk, in retrospect (LE), 169
 - pernicious, cyanocobalamin versus liver-bound vitamin B₁₂ absorption in, 568
- Anorexigenic agents, evaluation of, 509
- Anthropometric measurements in selected military population, 577
- Anthropometry
 - in clinical appraisal of nutritional status, 418
 - in evaluating nutritional status of selected population, 577
- Antibiotics, influence on serum lipids and excretion of neutral sterols and bile acids, 156
- Antibody
 - production, influence of combined pantothenic acid and pyridoxine deficiency on, 187
 - response, factors affecting, 85, 180, 187
- Antithyroid compounds and iodine deficiency, 389
- ASCN News, 176
- Ascorbic acid, biochemical measurement of, in determining nutritional status, 462
- Bacitracin, influence on serum and fecal lipids, 156
- Bantu prisoner, influence of diet on fecal lipids of, 142
- Beans in human nutrition, 12
- Bile acid excretion
 - and L3:5:3'Triiodothyronine, 4
 - influence of diet on, 142
 - influence of nonabsorbable antibiotics on, 156

Biochemical measurements

- in appraisal of nutritional status in man, 462
- in estimating nutrient intake and nutritional status, panel discussion on, 493
- in selected military population, 577
- of minerals and proteins, 477
- Biochemistry, contribution to understanding and solving world problem of protein malnutrition in children, 593

Blood

- plasma, free amino acids in, in kwashiorkor and marasmus, 517
- pressure measurements in evaluating nutritional status of selected population, 577
- specimens, maternal and fetal, effect of D-sorbitol on absorption through analysis of, 533

Body composition

- effect of meal eating versus nibbling on, 312
- effects of feeding frequency on, 356
- Bone density, effect of lysine supplements on, 255

Book reviews

- Burgess, A. and Dean, R. F. A. (ed.) *Malnutrition and Food Habits, Report of an International and Interprofessional Conference*, 549
- Clark, C. F. *Friend or Enemy*, 329
- Gregory, R. A. *Secretory Mechanisms of the Gastrointestinal Tract*, 329
- Hafer, E. *Praktische Gastroenterologie*, 2nd ed., 329
- Jolliffe, N. (ed.) *Clinical Nutrition*, 2nd ed., 549
- Khorana, H. G. *Some Recent Developments in the Chemistry of Phosphate Esters of Biological Interest*, 175
- Lisser, H. and Escamilla, R. F. *Atlas of Clinical Endocrinology*, 175
- Nicholls, L., Sinclair, H. M. and Jelliffe, D. B. *Tropical Nutrition and Dietetics*, 174
- The National Academy of Sciences—National Research Council, *Publication 843, 1961. Protein Needs of Infants and Children*, 174
- Vanderbilt University Hospital Dietary Staff. *Diet Manual*, 550

Calcium

- intake
 - and roentgenologic osteoporosis, 263
 - estimated by biochemical methods, 477
- metabolism and kidney (PN), 77
- Carbohydrates, analysis of content in foods, 377
- Cardiovascular disease and diet in Framingham study, 200, 226
- Chenodeoxycholic acid excretion and L3:5:3'triiodothyronine, 4

- Chlorphentermine versus dextroamphetamine in obesity, 509
- Cholesterol
and starvation studies, 270
ingested, effect of fat saturation upon, 108
serum, family diet pattern for lowering, 102
- Cholic acid excretion after L3:5:3'triiodothyronine, 4
- Chromatography
gas, in determination of fatty acid contents of margarines and other fats, 554
ion-exchange column, in kwashiorkor and marasmus, 517
- Cirrhosis, hepatic, tryptophan and nicotinic acid metabolism in, 502
- Coagulation in retrospect (E), 177
- Code system for qualitative diet form in determining frequency of food intake, 335
- Compounds, deleterious, in foods (E), 500
- Copper levels in marasmus, 525
- Corn oil, disposition of cholesterol after ingestion of, 108
- Coronary heart disease, dietary assessment in epidemiologic study of, 226
- Cropectomy, effect on digestive organ weights and body composition, 312
- Cyanocobalamin versus liver-bound vitamin B₁₂ absorption in pernicious anemia, 568
- Cyanogenic glucoside in edible legumes, 281
- Densitometry in determining effects of lysine supplements, 255
- Dental caries
effect of fluoride addition to milk on, 94
in French Polynesia, 299
- Deoxycholic acid excretion and L3:5:3'triiodothyronine, 4
- Dextroamphetamine versus chlorphentermine in obesity, 509
- Diabetes, renal changes in (E), 253
- Diet
and cardiovascular disease in Framingham study, 200, 226
form in determining frequency of food intake in large group studies, 335
influence on fecal lipids in South African white and Bantu prisoners, 142
pattern for lowering serum cholesterol, 102
- Diet Therapy
Food habits of Greek-Americans, 240
- Dietary
assessment
in epidemiologic study of coronary heart disease, 226
diet form versus code system in, 335
fat, influence on stool excretion patterns, 142
intake, measurement of (Framingham study), 200
protein, reduction causing biochemical changes, 447
studies for assessment of nutritional status in nonmodernized societies, 344
supplement (protein), effect on muscular strength and hypertrophy, 530
surveys, family versus individual, 344
- Diets, lysine-supplemented, effect on growth and skeletal density in preadolescents, 255
- Disease
and nutrition, relationship between, 406
factors complicating clinical appraisals of nutritional status, 406
- Edema and kwashiorkor, 115
- Editorials
Coagulation in retrospect, 177
Deleterious compounds in foods, 500
Health hazards in the urbanization of the African, 551
Presidential address: American Society of Clinical Nutrition, 1
Renal changes in diabetes, 253
- Electrolyte imbalance and renal lesions (PN), 77
- Elvehjem, C. A., in memoriam, 612
- Emotional factors in nutritional requirements, 389
- Endocrine activity, effect of feeding frequency on, 356
- Enzymes
and protein intake, 447
hepatic, alterations following oral alcohol intoxication, 235
- Eskimos, Alaskan, health and nutritional status of, 31
- Family
diet pattern for lowering serum cholesterol, 102
dietary surveys in assessing nutritional status, 344
- Fasting lipid levels and alimentary lipemia, 317
- Fat
dietary, influence on stool excretion patterns, 142
measurements in clinical appraisal of nutritional status, 418
saturation, effect on disposition of ingested cholesterol, 108
- Fats, table, fatty acid contents of, 554
- Fatty acid
and vitamin E requirements, 389
analysis of content in foods, 377
contents of margarines and other table fats, 554
excretion, influence of diet on, 142
levels after fasting, 317
- Favism and edible legumes, 281
- Fecal excretion
of bile acids and sterols, influence of nonabsorbable antibiotics on, 156
of liver-bound vitamin B₁₂ versus free radiovitamin B₁₂ in pernicious anemia, 568
of sterols and bile acids, influence of dietary fat on, 142
- Feeding
frequency, nutritional effects of, 356
human, all-vegetable protein mixtures for, 537
- Fetal blood levels of nutrients, effect of oral supplements on, 533
- First Geiger Memorial Lecture
Contributions of biochemistry to understanding and solving world problem of protein malnutrition in children, 593
- Flame photometry in analytical determination of minerals, 477
- Fluoride
addition to milk, effect on dental caries in school children, 94
intake, estimated by biochemical methods, 477

Food

- analysis and tables of food composition, 377
- composition and availability of nutrients in foods, panel discussion, 400
- habits of Greek-Americans (DT), 240
- intake
 - determining frequency in large group studies, 335
 - appraisal, panel discussion on, 362
- patterns and nutrition in French Polynesia, 299
- proteins, utilization of, 382
- supply and feeding frequency, 356
- tables, reliability of, 377

Foods

- deleterious compounds in (E), 500
- nutrients in, panel discussion on, 400
- variations in nutritive values of, 368

Framingham study on diet and cardiovascular disease, 200, 226

French Polynesia, food patterns and nutrition in, 299

Gas chromatography in determination of fatty acid contents of margarines and other fats, 554

Geiger Memorial Lecture, 593

Global method in assessing nutritional status, 344

Goat's milk anemia in retrospect (LE), 169

Goiterogenic factors in edible legumes, 281

Greek-Americans, food habits of (DT), 240

Growth

- hormone and calcium metabolism (PN), 77
- lysine supplements and skeletal density in pre-adolescents, 255

Health

- and nutritional status of Alaskan Eskimos (ICNND survey), 31
- and serum lipids of Italian-Americans, 134
- hazards in urbanization of African (E), 551

Heart disease, dietary assessment in epidemiologic study of, 226

Heat, elimination of toxic factors in legumes by, 281

Hemagglutinins in edible legumes, 281

Hematologic disturbances in infantile malnutrition, 525

Hepatic

- cirrhosis, tryptophan and nicotinic acid metabolism in, 502
- enzymes, alterations following oral alcohol intoxication, 235

Hormone, thyroid, effects on bile acid excretion, 4

Hyperaldosteronuria in kwashiorkor, 115

Hypertrophy, effect of protein dietary supplement on, 530

Hypogammaglobulinemia induced by combined deficiency of pantothenic acid and pyridoxine, 187

ICNND survey of health and nutritional status of Alaskan Eskimo, 31

INCAP vegetable mixture 9, effect of torula yeast on protein quality of, 537

Infantile malnutrition, hematologic disturbances in, 525

Interdepartmental Committee on Nutrition for

National Defense (ICNND) survey on health and nutritional status of Alaskan Eskimos, 31

Intestine

absorption in man (PN), 324

flux and osmolarity, 389

Intubation in determining intestinal absorption in man (PN), 324

Iodine

deficiency and antithyroid compounds, 389

intake estimated by biochemical methods, 477

Iron

absorption

and iron dosage, 559

effect of D-sorbitol on, in pregnant women, 533

regulation of, 559

balance in human nutrition, 389

dosage and iron absorption, 559

intake estimated by biochemical methods, 477

levels in marasmus, 525

Italian-Americans, serum lipids and health of, 134

Kidney

and calcium metabolism (PN), 77

changes in diabetes (E), 253

tubular defects (PN), 77

Kwashiorkor

and aldosteronuria, 115

and biochemical maturation, 484

free amino acids in blood plasma of children with, 517

treated with isolated vegetable proteins, 127

treated with pulse protein, 12

Lard, disposition of cholesterol after ingestion of, 108

Lathyrism and edible legumes, 281

Legumes

in human nutrition, 12

toxic factors in, and their elimination, 281

Letters to the Editor

Goat's milk anemia in retrospect, 169

Teaching and training in nutrition, 81, 170, 611

Waters of the swamp, 610

Lipemia, alimentary, and fasting lipid levels, 317

Lipid levels

and thyroid activity, 4

fasting, and alimentary lipemia, 317

influence of diet on, 142

in Italian-American factory workers in Boston area, 134

influence of nonabsorbable antibiotics on, 156

Liver

bound vitamin B₁₂ in pernicious anemia, 568

cirrhosis, tryptophan and nicotinic acid metabolism in, 502

Lysine supplements, effect on growth and skeletal density in preadolescents, 255

Malnourished children, arrested biochemical growth in, 484**Malnutrition**

see also Marasmus

infantile, hematologic disturbances in, 525

- protein
 contribution of biochemistry to understanding and solving world problem of, 593
 method for evaluating, 517
 treated with isolated vegetable proteins, 127
- Marasmus
 free amino acids in blood plasma of children with, 517
 serum levels of copper, iron, paraphenylene diamine oxidase and iron-binding capacity in, 525
- Margarines, fatty acid contents of, 554
- Maternal blood levels of nutrients, effect of oral supplements on, 533
- Meal eating versus nibbling, 312, 356
- Military population, selected, nutritional evaluation of, 577
- Milk fluoridation, effect on dental caries in school children, 94
- Minerals
 analysis of content in foods, 377
 biochemical measurement of, 477
 factors affecting utilization and requirements of, 389
 flame photometry in determination of, 477
- Moisture, analysis of content in foods, 377
- Muscular strength, effect of protein dietary supplement on, 530
- N**
- Neomycin, influence on serum lipids and sterol and bile acid excretion, 156
- Neutron activation analysis in assessment of nutritional status, 477
- Niacin, biochemical assessment in determining nutritional status of man, 462
- Nibbling versus meal eating, 312, 356
- Nicotinic acid metabolism in hepatic cirrhosis, 502
- Nitrogen
 balance
 effect of feeding frequency on, 356
 studies to determine effect of torula yeast on INCAP vegetable mixture, 9, 537
 excretion and protein intake, 447
- N¹⁵methylnicotinamide excretion in hepatic cirrhosis, 502
- Nutrient
 analyses, reliability of, 377
 intake
 and nutritional status estimated by biochemical methods, panel discussion on, 493
 and nutritional status of man, significance of appraisal, 331
 and nutritional status of man, symposium on appraisal of, 331-499
 estimation by biochemical methods, 447, 477
- Nutrients
 effect of D-sorbitol on absorption and transfer from mother to fetus, 533
 in foods, food composition and availability of, panel discussion, 400
 low, effect during pregnancy on obstetrical performance and offspring, 586
- Nutrition
 and biochemical maturation, 484
 and disease, relationship between, 406
 and food patterns in French Polynesia, 299
 and minerals, 477
 human, pulses and beans in, 12
 in a changing world (PN), 543
 iron balance in, 389
 teaching and training in (LE), 81, 170, 610
- Nutrition News, 84
- Nutrition survey
 appraisal of, 406
 clinical, procedure for, 413
 Framingham study, 200, 226
 of Alaskan Eskimo, 31
- Nutritional
 anthropometry, approaches to, 418
 disease, renal aspects of (PN), 77
 effects of feeding frequency, 356
 evaluation of selected military population, 577
 needs and alcohol, 389
 requirements, emotional factors in, 389
- Nutritional status
 and nutrient intake of man
 estimated by biochemical methods, panel discussion, 493
 significance of appraisal, 331
 symposium on appraisal of, 331-499
 anthropometry in clinical appraisal of, 418
 biochemical appraisal in man, 462
 clinical evaluation under field conditions, 413
 disease factors complicating clinical appraisals of, 406
 estimation by biochemical methods, 447, 477
 in nonmodernized societies, 344
 of Alaskan Eskimos, ICNND survey, 31
 of man, clinical appraisal of, panel discussion, 440
 of U. S. military personnel determined anthropometrically and biochemically, 577
 statistics in clinical appraisals of, 433
- O**
- Obstetrical performance, effect of low nutrient intake during pregnancy on, 586
- Offspring, effect of low nutrient intake during pregnancy on, 586
- Osmolarity and intestinal flux in vitamin and mineral utilization, 389
- Osteoporosis and calcium intake, 263
- P**
- Panel discussion
 on appraisal of food intake, 362
 on clinical appraisal of nutritional status of man, 440
 on estimation of nutrient intake and nutritional status by biochemical methods, 493
 on food composition and availability of nutrients in foods, 400
- Pantothenic acid deficiency
 antibody response in, 187
 immunologic responses in, 85
- Paraphenylene diamine oxidase levels in marasmus, 525
- Pernicious anemia
 see Anemia
- Perspectives in Nutrition
 Adjustment for size—a possible misuse of ratios, 249
 Nutrition in a changing world, 543
 Renal aspects of nutritional disease, 77
 Study of intestinal absorption in man, 324
 Xerophthalmia, 603

- Plasma, blood, free amino acids in, 517
- Polio antigens, antibody response to, 187
- Polymyxin B, influence on serum and fecal lipids, 156
- Preadolescents, effect of lysine supplements on growth and skeletal density in, 255
- Pregnancy
 effect of D-sorbitol on absorption and transfer of nutrients in, 533
 effect of low nutrient intake during, on obstetrical performance and offspring, 586
- Presidential address: American Society of Clinical Nutrition (E), 1
- Protein
 and amino acid utilization, 382
 biochemical measurement of, 447
 content of pulses and beans (legumes), 12
 dietary supplement, effect on muscular strength and hypertrophy, 530
 intake
 and osteoporosis, 263
 and resistance to protein deprivation, relation between, 574
 malnutrition
 in children, contribution of biochemistry to understanding and solving world problem of, 593
 method for evaluating, 517
 treated with isolated vegetable proteins, 127
 mixtures, all-vegetable, for human feeding, 537
 quality of INCAP vegetable mixture 9, effect of torula yeast on, 537
 reserves
 changes in, effect on nutritional status, 447
 studies of, 574
 supplements and muscular strength, 530
 Pulses and beans in human nutrition, 12
- Pyridoxine
 absorption, effects of D-sorbitol on, in pregnant women, 533
 deficiency, antibody response in, 180
- Ratios, possible misuse of (PN), 249
- Renal aspects of nutritional disease (PN), 77
- Riboflavin, biochemical assessment of, 462
- Serum
 cholesterol
 and starvation studies, 270
 family diet pattern for lowering, 102
 levels of copper, iron, paraphenylene diamine oxidase and iron-binding capacity in infant malnutrition, 525
 lipids
 and health of Italian-Americans, 134
 in Italian-American factory workers in Boston area, 134
 influence of nonabsorbable antibiotics on, 156
 triglyceride levels after fasting, 317
 turbidity after fasting, 317
- Skeletal density and lysine supplements in preadolescents, 255
- Skinfold thickness in evaluating nutritional status of selected population, 577
- Sodium retention and aldosteronuria, 115
- Soil and weather factors, effect on nutritive values of foods, 368
- D-Sorbitol, effect on absorption and transfer of nutrients from mother to fetus, 533
- Starvation studies and cholesterol, 270
- Statistics in clinical appraisals of nutritional status, 433
- Sterol excretion
 influence of diet on, 142
 influence of nonabsorbable antibiotics on, 156
- Sterols
 effect of saturation of fats on, 108
 influence of dietary fat on, 142
- Stool excretion patterns, influence of dietary fat on, 142
- Symposium on recent advances in appraisal of nutrient intake and nutritional status of man, 331-499
- Table fats, fatty acid contents of, 554
- Teaching and training in nutrition (LE), 81, 170, 610
- Tetanus antigens, antibody response to, 85, 180, 187
- Thiamine, biochemical assessment of, 462
- Thyroid hormone, effects on bile acid excretion, 4
- Torula yeast, effect on protein quality of INCAP vegetable mixture 9, 537
- Toxicity of edible legumes, 281
- Training and teaching in nutrition (LE), 81, 170, 610
- Triglyceride levels after fasting, 371
- L 3:5:3'triiodothyronine and bile acid excretion, 4
- Trypsin inhibitors in edible legumes, 281
- Tryptophan metabolism in hepatic cirrhosis, 502
- Typhoid antigens, antibody response to, 85, 180, 187
- Urbanization of African, health hazards in, 551
- Urinary excretion
 of nitrogen, biochemical measurement of, and protein intake, 447
 of N'methylnicotinamide in hepatic cirrhosis, 502
- Vegetable
 mixture 9, INCAP, and torula yeast, 537
 proteins in treatment of protein malnutrition, 127
- Vitamin A, biochemical measurement in determining nutritional status, 462
- Vitamin B₁₂
 absorption
 and utilization, 389
 effect of D-sorbitol on, in pregnant women, 533
 liver-bound, in pernicious anemia, 568
- Vitamin C absorption, effects of D-sorbitol on, in pregnant women, 533
- Vitamins
 analysis of content in foods, 377
 utilization and requirements, factors affecting, 389
- Weather and soil factors, effect on nutritive values of foods, 368
- Weight increments, meaning in clinical appraisal of nutritional status, 418
- Xerophthalmia (PN), 603

